



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Chad L. Cundiff

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Title: INSTRUMENT REFERENCE FLIGHT DISPLAY SYSTEM FOR HORIZON
REPRESENTATION OF DIRECTION TO NEXT WAYPOINT

RESPONSE TO OFFICE ACTION

TO THE COMMISSIONER OF PATENTS:

AMENDMENT AND RESPONSE

In the Claims:

What is claimed is:

1. (Presently Amended.) A method for enhancing IMC flight aboard an aircraft, comprising the steps of: collecting navigation, airspeed, altitude, direction of flight, and attitude data from the aircraft; generating a primary flight display, the primary flight display being located on an instrument panel and configured to simultaneously indicate the altitude, attitude, and direction of flight, and as a function of the data to show a perspective view of earth ground and horizon that are substantially conformal with a VMC view from the aircraft; and generating at least one of a current or next waypoint symbol on the display at the horizon.
2. (Original.) A method of claim 1, wherein the step of generating at least one of a current or next waypoint comprises the step of generating a first symbol at the horizon to indicate the current waypoint.
3. (Original.) A method of claim 2, wherein the step of generating at least one of a current or next waypoint comprises the step of generating a second symbol at the horizon to indicate the next current waypoint.
4. (Original.) A method of claim 1, further comprising the step of selecting a desired current waypoint; wherein the steps of generating comprise altering the perspective view to match the selected waypoint.